



2020s - Grand Missions in Solar System (E2AST001C)

Introduction	New human footprints on the Moon, landing mission to Mars, robotic exploration of life beyond Earth in our Solar System the next 10 years will be as exciting as ever in space missions. As this new decade begins, there is no better time for a sneak preview of these upcoming missions in the next 10 years. This course provides a unique combination of learning experiences (hands-on practice of instruments, stargazing, mathematical analysis, planetarium shows, etc.) for students to learn about fascinating aspects of space exploration in our own Solar System.
Programme Type / Level	Astronomy Course (Level II) (Token-required)
Instructor(s)	Teachers of Galaxy Scientific Group
Pre-requisite	<ul style="list-style-type: none"> No special prerequisites are needed
Target Participants	<ul style="list-style-type: none"> S1 to S3 HKAGE student members Class size: 35 <p>This programme is the same as Astronomy I Course (Level 3): 2020s - Grand Missions in Solar System (SCIS1032) in 2019/20 school year.</p>
Medium of Instruction	Cantonese with Chinese handouts
Certificate	<p>E-Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none"> Attended AT LEAST 3 sessions AND Completed all the assessments with satisfactory performance.
Intended Learning Outcomes	<p>Upon completion of the programme, participants should be able to:</p> <ul style="list-style-type: none"> interpret astronomical observations with laws of physics and mathematics; critically analyse the data collected in real-time operation of a telescope and draw valid conclusions; design simple trajectories of solar system missions; discuss ethical issues in space exploration.
Screening	<p>Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of astronomy in the screening question can be enrolled in the programme.</p>
Application Deadline	<p>16 Aug 2021, 12:00 n.n</p> <p>Application Result Release Date 27 Aug 2021</p> <p>If student members withdraw from the programme after the Application Deadline, the token will be deducted.</p>

Schedule

Session	Date	Time	Venue
1	9 Oct	2:00 p.m. – 5:00 p.m.	Room 105, HKAGE
2		6:00 p.m. – 9:00 p.m.	HKFYG Jockey Club Sai Kung Outdoor Training Camp¹
3	16 Oct	2:00 p.m. – 5:00 p.m.	Room 105, HKAGE
4		6:00 p.m. – 9:00 p.m.	HKFYG Jockey Club Sai Kung Outdoor Training Camp¹
3	20 Nov	2:00 p.m. – 5:00 p.m.	Room 105, HKAGE
4		6:00 p.m. – 9:00 p.m.	

¹ Address: DD256, Tai Mong Tsai Road, Sai Kung

Remarks:

- There will be two evening classes where we will visit other external astronomical centres. The instructor has already arranged a chartered shuttle bus for pick-ups between the Academy and class venues. Evening classes will be dismissed at the Academy. Details will be explained during class.
- The evening stargazing activity classes maybe cancelled or postponed to a later date accordingly due to inclement weather, please watch out for the instructor's arrangements.

Enquiries

For enquiries, please contact us on 3940 0101.